FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use several sheets if necessary)*	ATTY. DOCKET NO. 000276	SERIAL NO. 09/986,222
	APPLICANT Kan et al.	
DATE MAILED: April 16, 2003	FILING DATE October 22, 2001	GROUP ~~2681~~ 2685

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
	A1						RECEIVED
	A2						APR 2 3 2003
	A3						
	A4						Technology Center 2600
	A5						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Page, Etc.)*

	Ref	
(initialed)	C1	Blostein, S., et al. (1995) A change-detection approach to monitoring fading channel bandwidth. Information Theory pg. 155.
	C2	Li, H., et al. (1990) An adaptive filtering technique for pilot aided transmission systems. IEEE pgs. 507-512.
	C3	Oh, H., et al. (2000) An adaptive channel estimation scheme for DS-CDMA systems. VTC pgs. 2839-2843.
(initialed)	C4	Sakamoto, M., et al. (2000) Adaptive channel estimation with velocity estimator for W-CDMA receiver. VTC pgs. 2024-2028.

EXAMINER *(signature)*	DATE CONSIDERED 2/11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.